

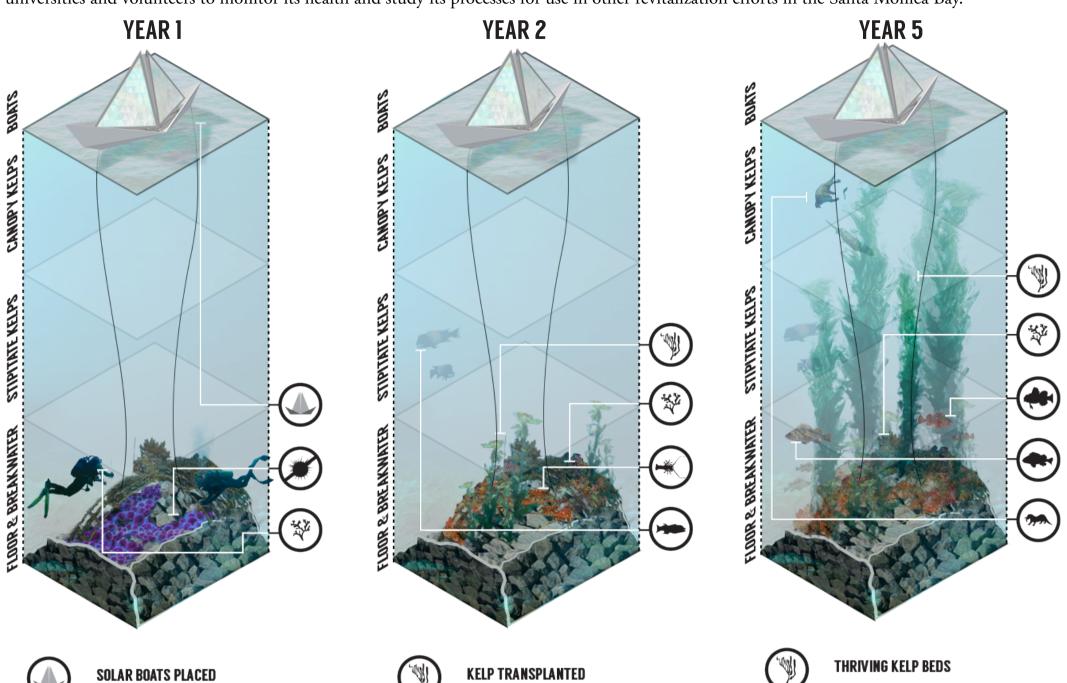
12,000 LBS OF CARBON OFFSET PER DAY

ABLE TO POWER FERRIS WHEELS FOR A YEAR (2,383,000 KWH/YR)

\$650,000 **ECOSYSTEM SERVICES RENDERED PER YEAR**

HOW TO RESTORE A REEF—URCHINS, ELECTRICITY, AND KELP FORESTS

In the first year, purple urchins are relocated by volunteer divers and the shipwrecks are placed. Accretion takes place, forming a limestone substrate that coral can be transplanted onto. In the second year, kelp is transplanted onto the reef and native marine species begin to colonize. By the fifth year, the kelp beds have matured and the local marine ecosystem has been established. The reef could become a pilot project, allowing local universities and volunteers to monitor its health and study its processes for use in other revitalization efforts in the Santa Monica Bay.



URCHINS RELOCATED

CORAL FRAGMENTS ATTACHED TO ELECTRIC REEF

KELP TRANSPLANTED

CORAL EXPANDS ON ELECTRIC REEF

CALIFORNIA SPINY LOBSTERS **COLONIZE REEF**

CALIFORNIA SHEEPHEAD

THRIVING ELECTRIC REEF

ROCKFISH COLONIZE REEF

SCULPIN COLONIZE REEF

